
Fibonacci numbers – a quiz.¹

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1. Can a Fibonacci number be a prime number ?
2. Euler proved that there are an infinite number of primes, are there also an infinite number of Fibonacci primes ?
3. What is the relation between a Fibonacci number and the Golden ratio ?
4. Where is the “gold” in the golden ratio ?
5. How is Pascal’s triangle related to Fibonacci series ?
6. Antonio Stradivari, creator of the most expensive violins in the world (a few million pounds for each), used Fibonacci sequence in his violins. How ?
7. Did Hemachandra, a Jain monk from India, use Fibonacci sequences in his music theory. Why ?
8. Give three examples of how the Fibonacci Sequence plays a big part in Western harmony and musical scales.
9. What date is recognised as Fibonacci Day ?
10. How did Ramanujan use Fibonacci numbers ?

Concluding remarks :

You can send your suggestions / remarks to drpartha@gmail.com. The solutions to this quiz can also be obtained from the same address.

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¹Accessible on the w-w-web at
<https://drpartha.org.in/publications/Fibonacci-quiz.pdf>